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L30 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2001 ACS
AN 1996:100901 HCAPLUS

DN 124:138658

TI Agrochemical granules containing calcium silicate
hydrates, surfactants, and mineral-based carriers

IN Zen, Shigekazu; Ishimoto, Yasuhiko; Katayama, Yasuyuki; Imai, Masayoshi

PA Sumitomo Chemical Co, Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07309702	A2	19951128	JP 1994-102863	19940517

AB Agrochem. granules contain (a) hydrophobic agrochems., i.e. pesticides or plant growth regulators, dissolved in hydrophobic solvents, (b) Ca silicate hydrates showing SiO₂/CaO .gtoreq.1.5 (by mol), (c) surfactants, and (d) mineral-based carriers. The granules show high hardness (resistance to disintegration during transportation) and are rapidly disintegrated in H₂O. .alpha.-Cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate 10, Hisol SAS 296 20, Morwet D 425 25, Morwet EFW 2, Florite R 10, and kaolin clay 33 wt. parts were made into granules, which were disintegrated by 60 g load/granule in a loading test, vs. by 10 g load/granule, for controls contg. Hi-Sil 233 (silica) instead of Florite R.

IT 1344-95-2, Florite R

RL: AGR (Agricultural use); MOA (Modifier or additive use); PRP (Properties); BIOL (Biological study); USES (Uses)

(agrochem. granules contg. hydrophobic agrochems., solvents, Ca silicate, surfactants, and mineral-based carriers)

RN 1344-95-2 HCAPLUS

CN Silicic acid, calcium salt (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***